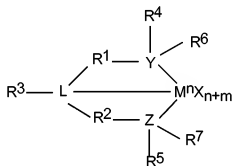


# **Listing of the Claims**

1. (Currently Amended) A process for polymerizing olefin(s) comprising combining said olefin(s) in the presence of a catalyst system comprising a Group 15 containing [bidentate or] tridentate ligated hafnium catalyst compound, wherein the hafnium metal atom is bound to at least one leaving group and to [at least two] three Group 15 atoms, and wherein [at least one of the at least] two of the Group 15 atoms [is bound to a Group 15 or 16 atom] are each bound to the third Group 15 atom through a bridging group; and a bulky ligand metallocene catalyst compound, wherein the bulky ligand metallocene compound and the Group 15 containing tridentate ligated hafnium catalyst compound are added to a polymerization reactor in one of a slurry, a solution, an emulsion, a dispersion or a suspension, and wherein the Group 15 containing tridentate ligated hafnium catalyst compound is represented by the formula:




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Formula (I)

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wherein M is hafnium;

each X is independently a leaving group;

n is the oxidation state of M;

m is the formal charge of the Y, Z and L ligand;

L is a Group 15 element;

Y is a Group 15 element;

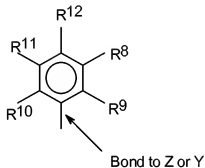
Z is a Group 15 element;

R<sup>1</sup> and R<sup>2</sup> are independently a linear, C<sub>2</sub> to C<sub>6</sub> hydrocarbon group;

R<sup>3</sup> is a hydrocarbon group, hydrogen, a halogen, or a heteroatom containing group;

R<sup>4</sup> and R<sup>5</sup> are independently an alkyl group, an aryl group, substituted aryl group, a cyclic alkyl group, a substituted cyclic alkyl group, a cyclic arylalkyl group, a substituted cyclic arylalkyl group or multiple ring system;  
R<sup>4</sup> and R<sup>5</sup> may be interconnected to each other; and  
R<sup>6</sup> and R<sup>7</sup> are independently absent, or hydrogen, an alkyl group, halogen, heteroatom or a hydrocarbonyl group.

2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Currently amended) The process of [claim 4] Claim 1, wherein R<sup>4</sup> and R<sup>5</sup> are represented by the formula:

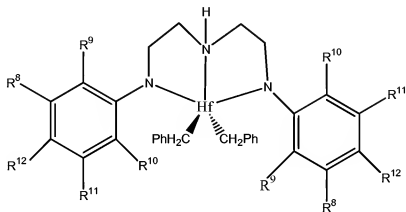


wherein R<sup>8</sup> to R<sup>12</sup> are each independently hydrogen, a C<sub>1</sub> to C<sub>40</sub> alkyl group, a halide, a heteroatom, a heteroatom containing group containing up to 40 carbon atoms, wherein any two R groups may form a cyclic group and/or a heterocyclic group and wherein the cyclic groups may be aromatic.

6. (Currently Amended) The process of claim 5 wherein R<sup>8</sup> to R<sup>12</sup> [R<sup>9</sup>, R<sup>10</sup> and R<sup>12</sup>] are independently a methyl, ethyl, propyl or butyl group.
7. (Currently Amended) The process of claim 5 wherein R<sup>8</sup> to R<sup>12</sup> [R<sup>9</sup>, R<sup>10</sup> and R<sup>12</sup>] are methyl groups[, and R<sup>8</sup> and R<sup>11</sup> are hydrogen].

8. (Currently Amended) The process [of claim 4] of Claim 1, wherein L, Y, and Z are nitrogen, R<sup>1</sup> and R<sup>2</sup> are a C<sub>2</sub> to C<sub>6</sub> hydrocarbon radical, R<sup>3</sup> is hydrogen, and R<sup>6</sup> and R<sup>7</sup> are absent.
9. (Cancelled)
10. (Original) The process of claim 1 wherein the catalyst system is supported on a carrier.
11. (Original) The process of claim 1 wherein the process is a continuous gas phase process.
12. (Original) The process of claim 1 wherein the process is a continuous slurry phase process.
13. (Original) The process of claim 1 wherein the olefin(s) is ethylene.
14. (Original) The process of claim 1 wherein the olefins are ethylene and at least one other monomer having from 3 to 20 carbon atoms.
15. (Original) The process of claim 1 wherein the catalyst system further comprises an activator.
16. – 45. (Cancelled)

46. (New) The process of Claim 1, wherein the Group 15 containing tridentate ligated hafnium catalyst compound is represented by the formula:



wherein R<sup>8</sup> to R<sup>12</sup> are each independently a methyl, ethyl, propyl, or butyl group.